

ABSTRACT OF THE DISCLOSURE

A spindle motor incorporates a shaft having a known outer diameter and a stator having a known inner diameter which is slightly larger than the outer diameter of the shaft so that it may slip over the shaft. Die cut sharp features are defined in the inner diameter of the stator laminations. These features extending radially inward from the generally circular inner diameter of the stator laminations so that these features establish an interference fit with the outer surface of the shaft which the structure is mounted. When the stack is pressed onto the outer surface of the shaft to which it is mounted and supported, the coating on the stack will scrape off, thus establishing a metal-to-metal contact between the stack and the adjoining outer surface of the shaft. As a result of this, a tight interference fit will be established between the inner surface of the stack and the outer surface of the shaft, thus both radially fixing the stack on the shaft, and grounding the stack to the shaft.

09865240